Tribhuvan University
Institute of Science and Technology

2071

Bachelor Level/ First Year/ First Semester/ Science   Full Marks: 60
Computer Science and Information Technology (CSc. 353)   Pass Marks: 24
(Web Technology)

Candidates are required to give their answers in their own words as for as practicable.
The figures in the margin indicate full marks.

Group 'A'

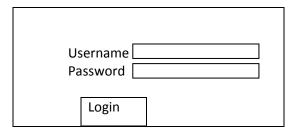## Attempt any Two Questions: (2*10=20)

1. Develop a website that checks validity of a user during the log-in process. Assume that the login data (username and password) are already stored in a database. Use client-side script to validate the user input during login process.
2. What is FTP ? Discuss it's functions in detail.
3. Discuss the benefits of using XML. Differentiate XML schema with DTD. Write an XML DTD to describe "person" as an element and "Name, address, phone-no, and Age" as it's attributes.

Group 'B'

Attempt any Eight Questions: (8*5=40)

4. Discuss internet as a client/server technology.

5. Discuss the structure of HTML document with suitable example.

6. Write an HTML code to display the following:

    Username [   ]
    Password [   ]

    [Login]

7. How can you insert internet stylesheet in your HTML document? Discuss with example.

8. Write an example of client side script to validate a form.
9. What is HTTP?
10. Discuss the rules of writing XML document.
11. Why do we need session? Explain with suitable example.
12. Discuss server side file handling with example.
13. Write short notes on:
    a. Tag Libraries
    b. Anonymous access